

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
RESEARCH DESIGNS AND STANDARDS ORGANISATION
MANAK NAGAR, LUCKNOW-22 011

No.EL/4.3.23.2/J10

Dated : 27-5-97

SPECIAL MAINTENANCE INSTRUCTION NO.RDSO/ELAS/SMI/191

REPLACEMENT OF EXISTING CABLES, CONNECTING PFD & MOTOR CONNECTION BOX WITH HIGHER SIZE CABLE ON AC BG EMUs AND MEMUs.

1.0 OBJECT

To protect overheating/burning of existing cables, connecting permanent field divert resistances and motor connection boxes on AC BG EMUs and MEMUs.

2.0 INSTRUCTION

2.1 The existing cables used for connection from motor terminal box to the permanent field divert resistance is 25 mm sq. elastomeric type. These cables get over heated/burnt, particularly on long duration of operation of "SHUNT" notch and "HALF POWER".

2.2 To protect overheating/burning of the existing elastomeric copper cable size of 25 mm sq. used for connecting PFD and motor connection box i.e. 1YY-1, 2-Y-2YY, 2YY-3Y & 4Y-4YY shall be replaced with elastomeric copper cable of 95 sq.mm.

2.3 The governing specification for the cables to be used shall be as per RDSO's specification No.E-14/01 (Rev.II of 1993).

3.0 INSTRUCTION DRAWING

RDSO's drawing No.SKEI 4407.

4.0 APPLICATION OF CLASS OF EMUs/MEMUs.

All the AC BG EMUs/MEMUs fitted with BHEL's traction motor type 4601 and Fuji Traction Motor type GGR 125-ZY.

5.0 AGENCY OF IMPLEMENTATION

All EMU sheds and POH workshops maintaining AC BG
EMUs/MEMUs and all production units manufacturing AC BG
EMUs/MEMUs.

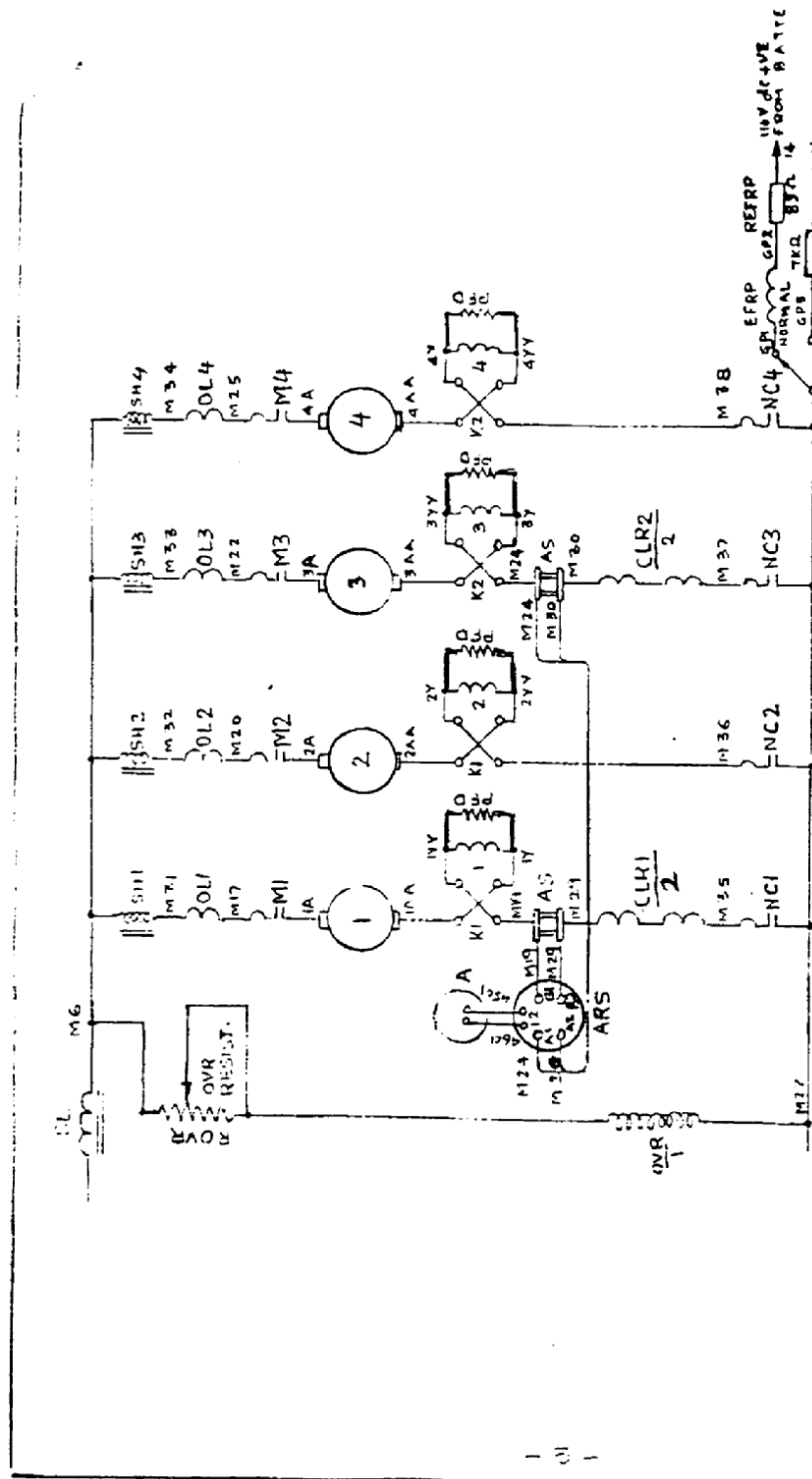
6.0 DISTRIBUTION

As per list enclosed.

Encl : RDSO Drg.No.
SKEL 4407.

SMI/191

H.P. Agarwal
(H.P. Agarwal) 27/5/92
for Director General/EMU&PS.



REF: BHEL ORGND 05200030038 SCALE: N.T.S. APPROVED: 24/10/1971 FOR BCI

PROPOSED MODIFICATION FOR REPLACING THE EXISTING 25 SQ.MM CABLE BY 95 SQ.MM SIZE CABLES (SHOWN RED) ON AC BGEMUS/MC

30/1/1971

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